

IN THE CLAIMS:

The text of all pending claims (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

1-11. (CANCELLED)

12. (PREVIOUSLY PRESENTED) A CORBA object reference generating device comprising:

a request receiving unit which receives, via a server having a server IP address, a request for Common Object Request Broker Architecture (CORBA) naming service, the request being transmitted by a first client to an arrival IP address; and

a naming service unit which generates a CORBA object reference including a reference IP address, the CORBA object reference being required for the first client to access an object;

wherein the naming service unit

receives the request and connection information including the arrival IP address,

determines whether the arrival IP address is a predetermined IP address,

sets the server IP address as the reference IP address if the arrival IP address is determined to be the predetermined IP address, and

sets an IP address other than the server IP address as the reference IP address if the arrival IP address is not determined to be the predetermined IP address.

13. (PREVIOUSLY PRESENTED) The CORBA object reference generating device according to claim 12, further comprising:

a system structure information control unit that controls system structure information that indicates a relationship between the predetermined IP address and the server IP address,

wherein the naming service unit refers to the system structure information to make the determination and generate the CORBA object reference.

14. (PREVIOUSLY PRESENTED) A CORBA object reference generating device, comprising:

a request receiving unit that receives,

from a first client connected to a first network, a first request for CORBA naming service, the first request being transmitted from the first client to a first IP address corresponding to the first network, and

from a second client connected to a second network, a second request for CORBA naming service, the second request being transmitted from the second client to a second IP address corresponding to the second network; and

a naming service unit that generates an object reference including a reference IP address, the object reference being required for the first or second client to access an object, wherein the naming service unit

receives connection information including the first or second IP address and the first or second request for CORBA naming service,

determines whether the first or second IP address is a predetermined IP address, sets an IP address for load distribution as the reference IP address if it is determined that the first or second IP address is determined to be the predetermined IP address, and

sets the first or second IP address as the reference IP address if it is determined that the first or second IP address is not determined to be the predetermined IP address.

15. (PREVIOUSLY PRESENTED) A CORBA object reference generating method comprising:

receiving, via a server having a server IP address, a request for Common Object Request Broker Architecture (CORBA) naming service, the request being transmitted by a first client to an arrival IP address; and

generating a CORBA object reference including a reference IP address, the CORBA object reference being required for the first client to access an object;

wherein the generating includes

receiving the request and connection information including the arrival IP address, determining whether the arrival IP address is a predetermined IP address, setting the server IP address as the reference IP address if the arrival IP address is determined to be the predetermined IP address, and

setting an IP address other than the server IP address as the reference IP address if the arrival IP address is not determined to be the predetermined IP address.

16. (PREVIOUSLY PRESENTED) The CORBA object reference generating method according to claim 15, further comprising:

controlling system structure information that indicates a relationship between the predetermined IP address and the server IP address,

wherein the generating further includes referring to the system structure information to make the determination and generate the CORBA object reference.

17. (PREVIOUSLY PRESENTED) A CORBA object reference generating method, comprising:

receiving, from a first client connected to a first network, a first request for CORBA naming service, the first request being transmitted from the first client to a first IP address corresponding to the first network, and from a second client connected to a second network, a second request for CORBA naming service, the second request being transmitted from the second client to a second IP address corresponding to the second network; and

generating an object reference including a reference IP address, the object reference being required for the first or second client to access an object,

wherein the generating includes

receiving connection information including the first or second IP address and the first or second request for CORBA naming service,

determining whether the first or second IP address is a predetermined IP address,

setting an IP address for load distribution as the reference IP address if it is determined that the first or second IP address is determined to be the predetermined IP address, and

setting the first or second IP address as the reference IP address if it is determined that the first or second IP address is not determined to be the predetermined IP address.

18. (PREVIOUSLY PRESENTED) A computer readable recording medium storing instructions which causes a computer to perform the method, the method comprising:

receiving, via a server having a server IP address, a request for Common Object Request Broker Architecture (CORBA) naming service, the request being transmitted by a first client to an arrival IP address; and

generating a CORBA object reference including a reference IP address, the CORBA object reference being required for the first client to access an object;

wherein the generating includes

receiving the request and connection information including the arrival IP address,

determining whether the arrival IP address is a predetermined IP address,

setting the server IP address as the reference IP address if the arrival IP address is

determined to be the predetermined IP address, and

setting an IP address other than the server IP address as the reference IP address if the arrival IP address is not determined to be the predetermined IP address.

19. (PREVIOUSLY PRESENTED) A computer readable recording medium according to claim 18, further comprising:

controlling system structure information that indicates a relationship between the predetermined IP address and the server IP address,

wherein the generating further includes referring to the system structure information to make the determination and generate the CORBA object reference.

20. (PREVIOUSLY PRESENTED) A computer readable recording medium storing instructions which causes a computer to perform a method, the method comprising:

receiving, from a first client connected to a first network, a first request for CORBA naming service, the first request being transmitted from the first client to a first IP address corresponding to the first network, and from a second client connected to a second network, a second request for CORBA naming service, the second request being transmitted from the second client to a second IP address corresponding to the second network; and

generating an object reference including a reference IP address, the object reference being required for the first or second client to access an object,

wherein the generating includes

receiving connection information including the first or second IP address and the first or second request for CORBA naming service,

determining whether the first or second IP address is a predetermined IP address,

setting an IP address for load distribution as the reference IP address if it is determined that the first or second IP address is determined to be the predetermined IP address, and

setting the first or second IP address as the reference IP address if it is determined that the first or second IP address is not determined to be the predetermined IP address.

21. (NEW) A Common Object Request Broker Architecture (CORBA) object reference generating device comprising:

a request receiving unit which receives a request from an apportioning server, initially sent by a client connected via a network, to acquire a CORBA object reference for receiving a distribution of a naming service in CORBA,

the apportioning server determines whether an arrival IP address is an apportioning IP address, and if the result is negative, establishes a connection with the arrival IP address, and if the result is positive, distributes a load to a server having a lightest load in comparison with other servers; and

a generating unit which generates, dynamically, the CORBA object reference including a reference IP address, the CORBA object reference is required for the client to access an object,

wherein the generating unit receives the request and connection information including the arrival IP address, determines whether the arrival IP address is a predetermined IP address, sets a server IP address as the reference IP address if the arrival IP address is determined to be a predetermined IP address or sets an IP address other than the server IP address as the reference IP address if the arrival IP address is not determined to be the predetermined IP address.